

IN THE CLAIMS

Please amend claim 11 as follows:

B 8 36011
11. (Amended) A system for denaturing a cornea, comprising:
a ground element;
a probe which has a tip that can be placed in contact with the cornea; and,
a power supply which provides a current that flows to said probe through the cornea
and to said ground element, the current having a damped waveform frequency between
5KHz to 50MHz and a repetition rate between 4KHz and 12KHz.

The applicant has attached an edited version of the amended claim as an Appendix.

Please cancel claims 12, 17 and 19. Please add claims 20-23 as follows.

B 3
20. (New) A method for reshaping a cornea of a patient, comprising:
grounding the patient;
placing a probe in contact with the cornea;
transmitting a current to the probe that flows through the cornea, the current having a
damped waveform, a frequency between 5KHz and 50MHz, and a repetition rate between
4KHz and 12 KHz.

21. (New) The method of claim 20, wherein the current is transmitted at a
power no greater than 1.2 watts for a time duration no greater than 1.0 second.

22. (New) The method of claim 20, wherein the probe is inserted into a stroma
layer of the cornea.